

**UNIVERSITI TEKNOLOGI MARA**

**“KULIAH AGAMA” NOTIFICATION  
BASED ON LOCATION VIA MOBILE  
APPLICATION**

**MOHAMAD AKMAL SHUKRI MAHMUD**

**BACHELOR OF COMPUTER SCIENCE (Hons.)**

**JULY 2015**

**Universiti Teknologi MARA**

**“Kuliah Agama” Notification Based on  
Location via Mobile Application**

**Mohamad Akmal Shukri Mahmud**

**Thesis submitted in fulfillment of the requirements  
for Bachelor of Computer Science (Hons)  
Faculty of Computer and Mathematical Sciences**

**July 2015**

## **SUPERVISOR’S APPROVAL**

### **“KULIAH AGAMA” NOTIFICATION BASED ON LOCATION VIA MOBILE APPLICATION**

By

**MOHAMAD AKMAL SHUKRI BIN MAHMUD**

**2013668058**

This report was prepared under the supervision of the project supervisor, Miss Zuhri Arafah Binti Zulkifli. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfillment of the requirement for the degree of Bachelor of Computer Science (Hons).

Approved by

.....  
Zuhri Arafah Binti Zulkifli  
Project Supervisor

JULY 27, 2015

## **STUDENT'S DECLARATION**

I certify that this report and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

.....

MOHAMAD AKMAL SHUKRI BIN MAHMUD  
2013668058

JULY 27, 2015

## ABSTRACT

Knowledge is very important to our life. Gaining knowledge is a virtue for all Muslims regardless of age and gender. It is a compulsory for all Muslims. Attending themselves to a “Kuliah Agama” is a platform for the Muslims to gain more knowledge about Islam. With this, they can fulfill their responsibility and career as a Muslims without doubt since their questions about Islam would be answered. However, there are still some obstructions to get an accurate and efficient timetable for the “Kuliah Agama”. Thus, this mobile application will provide the information of “Kuliah Agama” which is information about date, time, title, ustaz’s name and location that will be updated by mosque’s committee. Notification is a part that provided in this application, it will notify the community about schedule of “Kuliah Agama” at specific date and time. Therefore, it will avoid the community to miss the schedule of “Kuliah Agama”. The location of mosque and location of community also plays an important role in determines the availability the schedule of “Kuliah Agama”. The community will only get the nearest mosque with current location to view the schedule. It used the Location Based Services (LBS) which is GPS technique to trace the precise location of community and mosque. The project developed based on the improvised of agile methodology. This methodology will be the guideline to make sure this project succeed. After this application is launched, the objectives of this project have achieved because the community in Jasin and Merlimau will get information of “Kuliah Agama” at their nearest location without missed any notification about schedule of “Kuliah Agama”. The scope of this project is only focusing on a few mosques in Merlimau and Jasin. In future work, it will be available entire in Melaka.

*Keyword: Information of “kuliah agama”, Notification, Location, GPS, Android*